

Robotic Assisted Hip Surgery

At Midlands Orthopaedic Clinic, we are proud to offer robotic assisted hip surgery – a cutting-edge approach to hip replacement that combines advanced technology with expert surgical care. This innovative technique allows for greater accuracy, improved implant positioning, and better long-term outcomes for patients needing hip arthroplasty.

What Is Robotic Assisted Hip Surgery?

Robotic assisted hip surgery uses a robotic system to support the surgeon during a hip replacement procedure. It does not replace the surgeon but enhances their ability to plan and execute the operation with extreme precision. Before surgery, a detailed 3D scan of your hip is taken, allowing your surgeon to create a highly personalised surgical plan. During the operation, the robotic system helps guide the placement of the implant components according to your unique anatomy.

This level of accuracy helps ensure the best possible fit and alignment of your hip replacement, which can improve function, reduce wear on the implant, and enhance the long-term success of the surgery.

Who Can Benefit From Robotic Assisted Surgery?

Robotic assisted hip replacement may be suitable if you have:

- Severe osteoarthritis or joint damage in the hip
- Persistent hip pain and stiffness affecting your daily life
- Limited mobility despite physiotherapy or medication
- Been recommended for hip replacement and want the most precise surgical option available

Your consultant will assess your condition, medical history, and imaging results to determine if robotic surgery is right for you.

What Happens During The Procedure?

The procedure follows similar steps to a traditional hip replacement but uses robotic guidance to improve precision:

- **Pre-operative planning:** A CT scan is used to develop a 3D model of your hip, which helps guide the surgical plan
- **Guided surgery:** During the operation, the robotic system assists your surgeon in preparing the bone and placing the implant components with exact alignment
- **Real-time feedback:** The robotic system provides data and alerts to ensure everything remains

within the planned safe zones

- **Final placement:** Once the components are in place, the procedure is completed and you are moved to recovery

Benefits Of Robotic Assisted Hip Surgery

- Greater accuracy in implant placement
- Reduced risk of leg length differences
- Less damage to surrounding soft tissues
- Lower risk of dislocation or complications
- Quicker recovery with less post-operative pain
- Improved long-term performance of your implant

Recovery And Aftercare

Recovery from robotic assisted hip surgery is similar to standard hip replacement but may be quicker in some cases due to less tissue trauma. You will:

- Begin gentle physiotherapy soon after surgery
- Be supported with a personalised rehabilitation plan
- Attend follow-up appointments to track your progress

Most patients report reduced pain, faster return to activity, and high satisfaction with the outcome.

Why Choose Midlands Orthopaedic Clinic?

Our surgeons are trained in the latest robotic orthopaedic systems and use this technology to enhance surgical precision and patient results. We offer:

- Access to cutting-edge robotic technology
- Experienced consultants specialising in complex hip procedures
- Personalised treatment plans based on your goals and lifestyle
- Comprehensive care from first consultation to final recovery

Get In Touch

If you're considering hip replacement and want the benefits of a more precise, technology-enhanced procedure, contact Midlands Orthopaedic Clinic today to find out if robotic assisted hip surgery is right for you.